

DEM Weighting is not related to High Cost and does not promote efficiency

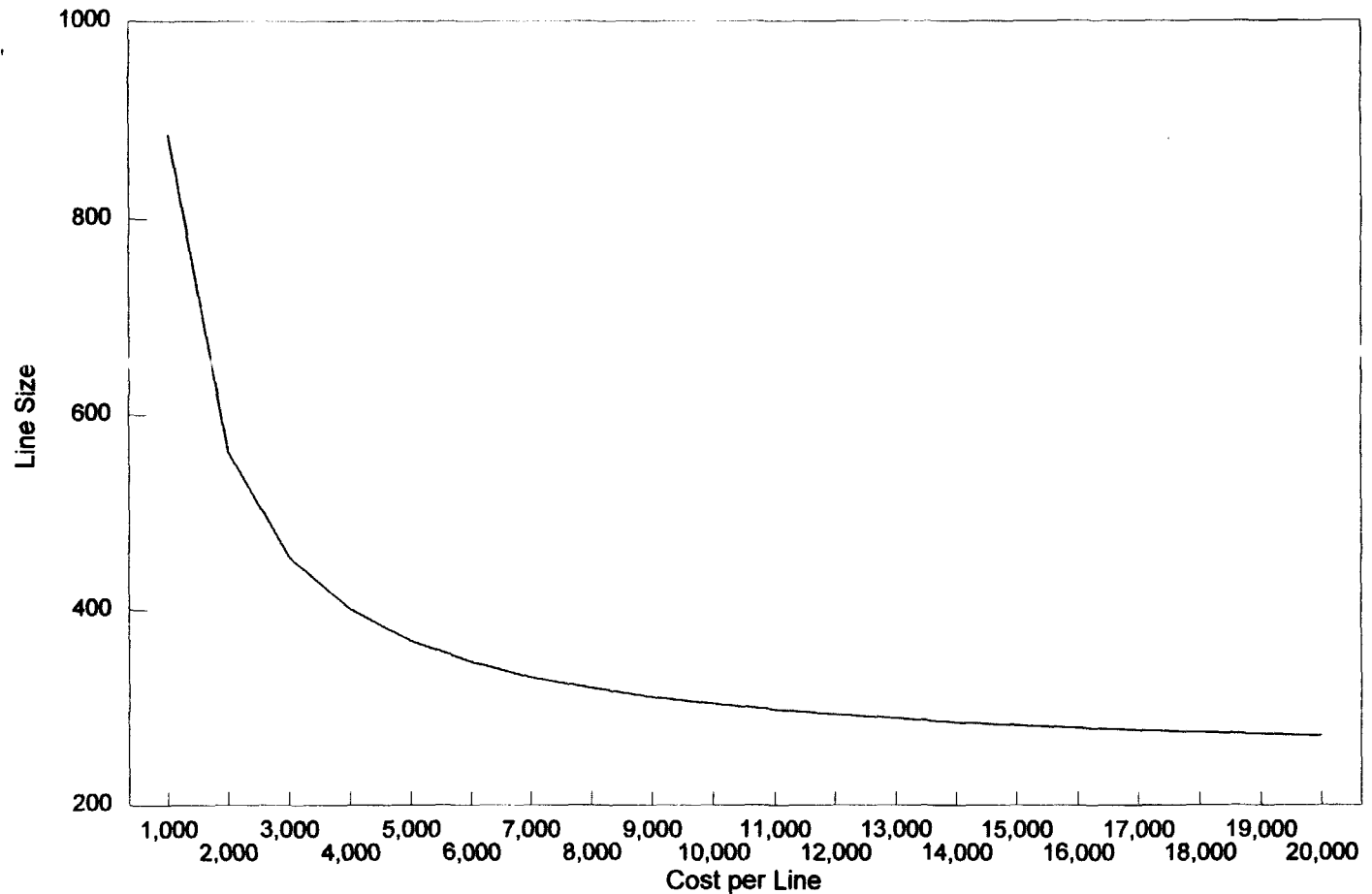
Analysis of Switching Investment per Line
Study Areas with 1 Digital, Stand-Alone Switch serving less than 10,000 lines
1993 Data

<u>Study Area size</u>	<u>Avg. Switch Invest. Per Line</u>	<u>Max. Switch Invest. Per Line</u>	<u>Min. Switch Invest. Per Line</u>
Less than 500	\$969	\$2,380	\$229
500-1,000	\$617	\$1,056	\$391
1,000-1,500	\$482	\$ 670	\$317
1,500-2,000	\$478	\$ 884	\$338
2,000-3,000	\$435	\$ 885	\$276
Above 3,000	\$528	\$ 760	\$309
 Total	 \$540	 \$2,380	 \$229

Source: FCC Data Request ("DATAREQ") File 1 of 4, Line 474/Line 500

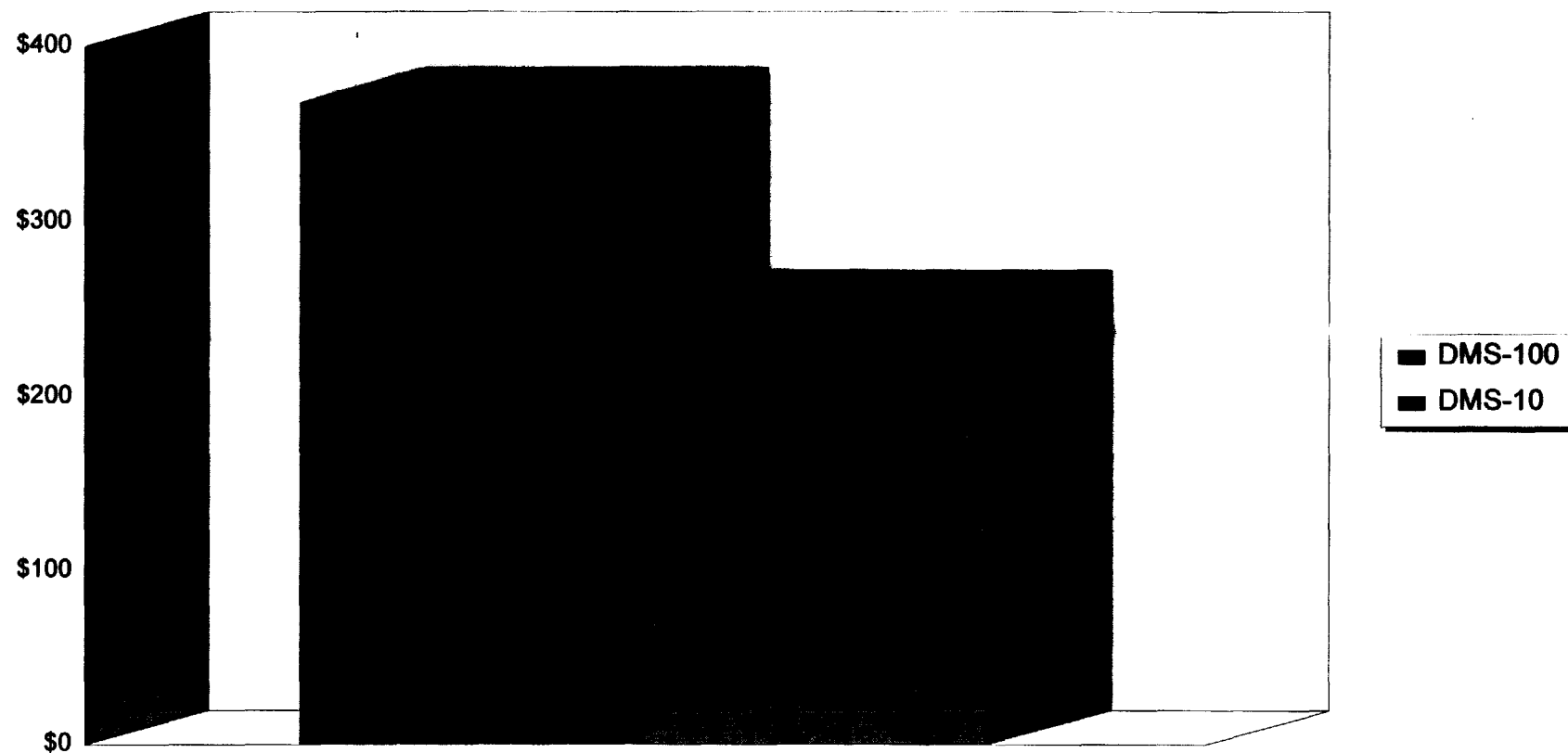
DMS-100 COST PER LINE

Line Size	DMS-100 Cost/Line
1,000	\$885
2,000	\$562
3,000	\$454
4,000	\$401
5,000	\$368
6,000	\$347
7,000	\$331
8,000	\$320
9,000	\$311
10,000	\$304
11,000	\$298
12,000	\$293
13,000	\$289
14,000	\$285
15,000	\$282
16,000	\$279
17,000	\$277
18,000	\$275
19,000	\$273
20,000	\$271



Source: Telecommunications Policy for the 1990s and Beyond
 Walter G. Bolter, James W. McConnaughey and Fred J. Kelsey
 (M.E. Sharpe, Inc. Armonk New York, 1990), Table V-3, p. 168

COST/LINE (5,000 LINE SWITCH)



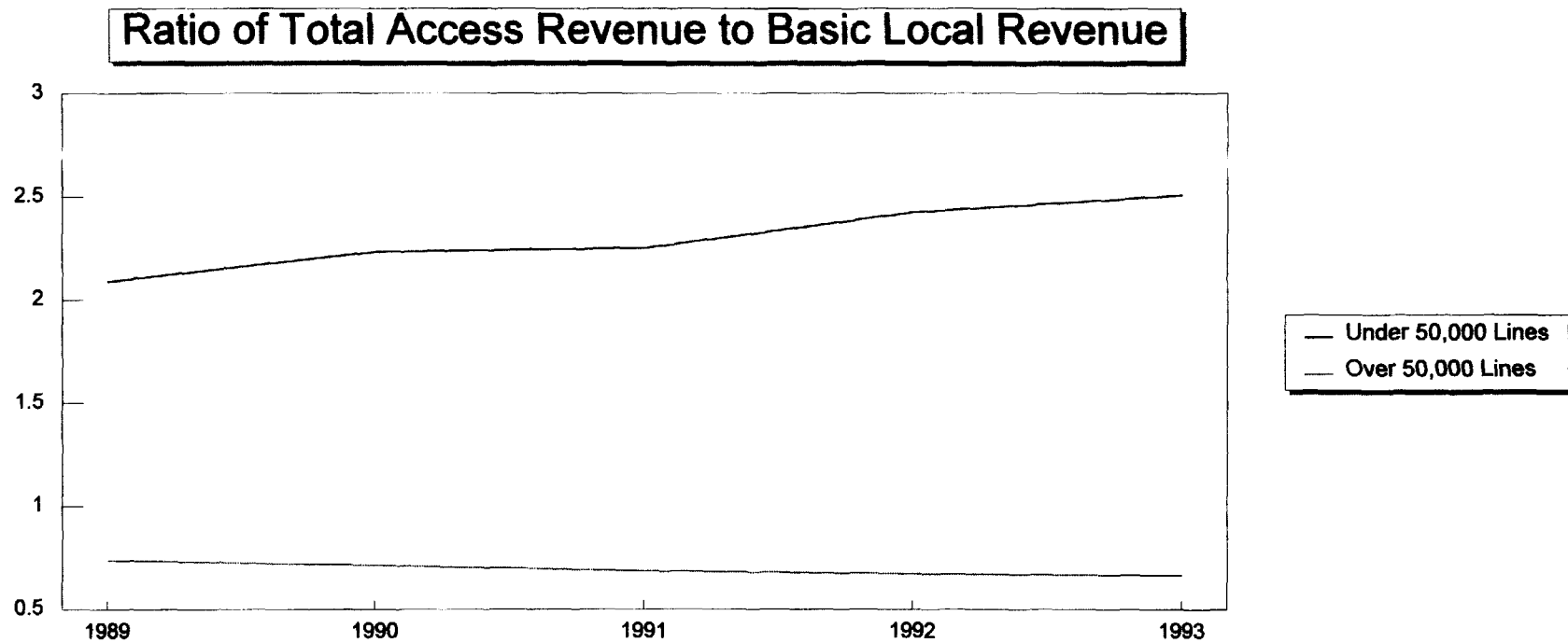
<u>Switch Type</u>	<u>Cost Per Line</u>
DMS-100	\$368
DMS-10	\$253

Source: Telecommunications Policy for the 1990s and Beyond
Walter G. Bolter, James W. McConnaughey and Fred J. Kelsey
(M.E. Sharpe, Inc. Armonk New York, 1990), Table V-2, p. 167

DEM Weighting Allows LECs to recover more than 100% of their Local Switching Costs

- 136 LECs receiving DEM Weighting assistance are able to assign more than 100% of their total local switching investment to the Interstate and Intrastate Toll and Access jurisdictions.
- Over 50% of LECs receiving DEM Weighting assistance received amounts which exceeded their Local Switching costs in 1993.

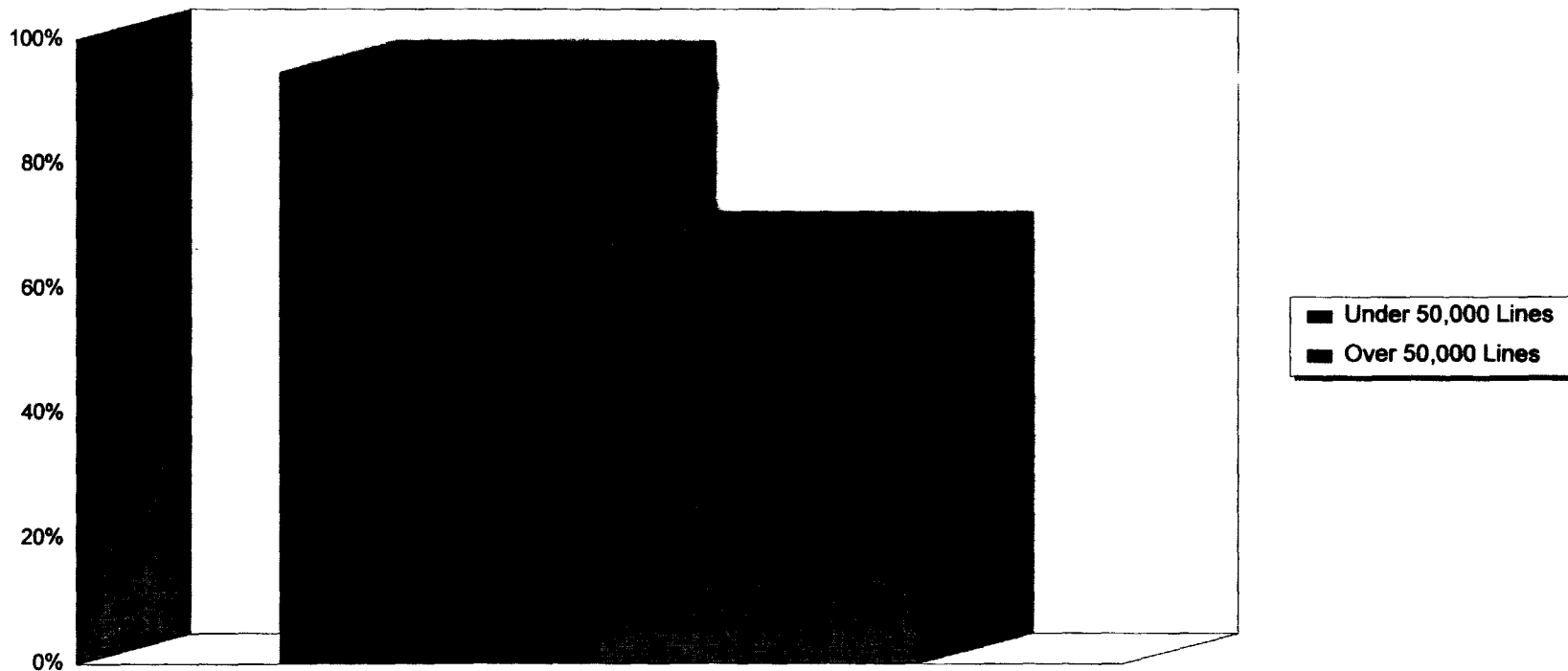
DEM Weighting Receipients Receive Significantly Lower Revenue from their End Users



Study Area size	1989	1990	1991	1992	1993
Under 50,000 Lines	2.09	2.23	2.25	2.43	2.51
Over 50,000 Lines	0.74	0.72	0.69	0.67	0.67

DEM Weighting Receipients Have Significantly Higher Deployment of Digital Switches

% of Lines Served by Digital Switches - 1993



Under 50,000 Lines	94.8%
Over 50,000 Lines	67.5%

Source: FCC Data Request, File 1 of 4, line 474

Access Lines Served By Digital Switches as of 12/93

State	Study Areas Under 50,000 Lines			Study Areas Over 50,000 Lines			All Study Areas		
	Digital Lines	Total Lines	% Digital	Digital Lines	Total Lines	% Digital	Digital Lines	Total Lines	% Digital
MAINE	40,818	40,818	100.0%	527,213	595,314	88.6%	568,031	636,132	89.3%
MASSACHUSETTS	936	936	100.0%	2,492,567	3,817,593	65.3%	2,493,503	3,818,529	65.3%
NEW HAMPSHIRE	39,512	39,512	100.0%	531,883	637,192	83.5%	571,395	676,704	84.4%
CONNECTICUT	N/A	N/A	N/A	1,004,976	1,937,185	51.9%	1,004,976	1,937,185	51.9%
VERMONT	13,865	13,865	100.0%	272,539	288,385	94.5%	286,404	302,250	94.8%
NEW YORK	265,422	267,665	99.2%	8,016,702	10,770,900	74.4%	8,282,124	11,038,565	75.0%
NEW JERSEY	7,799	7,799	100.0%	3,528,693	5,335,693	66.1%	3,536,492	5,343,492	66.2%
PENNSYLVANIA	96,637	97,637	99.0%	4,310,116	6,400,851	67.3%	4,406,753	6,498,488	67.8%
MARYLAND	N/A	N/A	N/A	2,585,000	3,048,000	84.8%	2,585,000	3,048,000	84.8%
VIRGINIA	40,118	46,487	86.3%	2,740,857	3,579,446	76.6%	2,780,975	3,625,933	76.7%
WEST VIRGINIA	47,099	57,479	81.9%	778,000	795,000	97.9%	825,099	852,479	96.8%
FLORIDA	65,225	65,225	100.0%	6,722,299	8,509,299	79.0%	6,787,524	8,574,524	79.2%
GEORGIA	175,711	182,395	96.3%	1,958,253	3,492,829	56.1%	2,133,964	3,675,224	58.1%
NORTH CAROLINA	125,741	125,741	100.0%	3,181,377	3,481,612	91.4%	3,307,118	3,607,353	91.7%
SOUTH CAROLINA	151,765	151,765	100.0%	1,375,599	1,476,973	93.1%	1,527,364	1,628,738	93.8%
ALABAMA	104,904	110,113	95.3%	1,368,000	1,893,000	72.3%	1,472,904	2,003,113	73.5%
KENTUCKY	39,424	39,424	100.0%	1,035,000	1,456,000	71.1%	1,074,424	1,495,424	71.8%
LOUISIANA	126,024	133,823	94.2%	1,188,000	1,948,000	61.0%	1,314,024	2,081,823	63.1%
MISSISSIPPI	53,170	53,457	99.5%	880,000	1,071,000	82.2%	933,170	1,124,457	83.0%
TENNESSEE	154,138	154,138	100.0%	1,888,315	2,397,323	78.8%	2,042,453	2,551,461	80.1%
OHIO	59,232	59,232	100.0%	3,989,516	5,727,999	69.6%	4,048,748	5,787,231	70.0%
MICHIGAN	153,036	161,777	94.6%	3,557,000	5,147,000	69.1%	3,710,036	5,308,777	69.9%
INDIANA	56,310	57,501	97.9%	2,278,882	2,830,319	80.5%	2,335,192	2,887,820	80.9%
WISCONSIN	240,797	252,484	95.4%	1,657,835	2,377,835	69.7%	1,898,632	2,630,319	72.2%
ILLINOIS	96,508	102,539	94.1%	4,476,440	6,730,287	66.5%	4,572,948	6,832,826	66.9%
IOWA	14,307	14,409	99.3%	791,740	1,237,763	64.0%	806,047	1,252,172	64.4%
MINNESOTA	92,890	93,015	99.9%	1,490,183	2,235,827	66.7%	1,583,073	2,328,842	68.0%
NEBRASKA	81,607	87,066	93.7%	629,618	785,300	80.2%	711,225	872,366	81.5%
NORTH DAKOTA	44,906	44,906	100.0%	114,188	264,181	43.2%	159,094	309,087	51.5%
SOUTH DAKOTA	38,344	39,045	98.2%	196,699	278,160	70.7%	235,043	317,205	74.1%
ARKANSAS	88,616	105,360	84.1%	633,382	1,057,381	59.9%	721,998	1,162,741	62.1%

Access Lines Served By Digital Switches as of 12/93

State	Study Areas Under 50,000 Lines			Study Areas Over 50,000 Lines			All Study Areas		
	Digital Lines	Total Lines	% Digital	Digital Lines	Total Lines	% Digital	Digital Lines	Total Lines	% Digital
KANSAS	80,888	83,615	96.7%	758,108	1,274,260	59.5%	838,996	1,357,875	61.8%
MISSOURI	112,608	139,817	80.5%	1,507,205	2,753,771	54.7%	1,619,813	2,893,588	56.0%
OKLAHOMA	130,022	141,986	91.6%	1,013,349	1,523,461	66.5%	1,143,371	1,665,447	68.7%
TEXAS	271,200	276,334	98.1%	4,573,402	9,441,891	48.4%	4,844,602	9,718,225	49.9%
ARIZONA	53,146	57,219	92.9%	819,571	2,061,615	39.8%	872,717	2,118,834	41.2%
COLORADO	34,726	35,468	97.9%	1,064,643	2,046,566	52.0%	1,099,369	2,082,034	52.8%
IDAHO	28,119	54,415	51.7%	248,168	475,816	52.2%	276,287	530,231	52.1%
MONTANA	85,223	91,827	92.8%	247,849	333,381	74.3%	333,072	425,208	78.3%
NEW MEXICO	79,211	113,124	70.0%	389,202	660,554	58.9%	468,413	773,678	60.5%
UTAH	13,732	16,758	81.9%	359,045	812,055	44.2%	372,777	828,813	45.0%
WYOMING	19,430	20,116	96.6%	78,449	229,390	34.2%	97,879	249,506	39.2%
WASHINGTON	43,173	43,173	100.0%	1,824,826	2,871,909	63.5%	1,867,999	2,915,082	64.1%
OREGON	147,186	149,155	98.7%	757,635	1,268,975	59.7%	904,821	1,418,130	63.8%
CALIFORNIA	69,081	70,081	98.6%	11,398,509	18,663,509	61.1%	11,467,590	18,733,590	61.2%
NEVADA	61,848	62,323	99.2%	825,272	825,867	99.9%	887,120	888,190	99.9%
DELAWARE	N/A	N/A	N/A	269,000	458,000	58.7%	269,000	458,000	58.7%
WASHINGTON D.C.	N/A	N/A	N/A	531,000	848,000	62.6%	531,000	848,000	62.6%
RHODE ISLAND	N/A	N/A	N/A	318,652	567,623	56.1%	318,652	567,623	56.1%
ALASKA	180,336	180,483	99.9%	140,805	140,805	100.0%	321,141	321,288	100.0%
HAWAII	N/A	N/A	N/A	470,000	633,000	74.2%	470,000	633,000	74.2%
PUERTO RICO	N/A	N/A	N/A	1,077,907	1,077,907	100.0%	1,077,907	1,077,907	100.0%
VIRGIN ISLANDS	N/A	N/A	N/A	55,411	55,411	100.0%	55,411	55,411	100.0%
MICRONESIA	14,428	14,428	100.0%	N/A	N/A	N/A	14,428	14,428	100.0%
NATIONWIDE	3,939,218	4,155,935	94.8%	94,928,880	140,627,423	67.5%	98,868,098	144,783,358	68.3%

Source: FCC Data Request, File 1 of 4, line 474

**If DEM Weighting were eliminated
and assuming that any loss of support would be recovered in local rates:**

- The impact would be an average increase of \$0.94/loop/month for DEM Weighting recipients.

	Monthly Impact		
	<u>Less than \$5.00</u>	<u>\$5.00 or More</u>	<u>\$10.00 or More</u>
Number of Loops Impacted	16,350,443	917,181	150,631
% of Nationwide Loops (No. of Nationwide Loops = 143,462,533)	11.4%	0.6%	0.1%
% of Loops currently receiving support (No. of Loops receiving support = 17,267,624)	94.7%	5.3%	0.9%

Source: NECA Comments Docket 80-286, Appendix D4, October 10, 1995

Attachments:

Analysis of Local Switching Cost Assignment

Analysis of excess DEM Weighting Subsidies

Analysis of Switching Investment per Line

Analysis of Monthly Local Revenue per Line

ANALYSIS OF LOCAL SWITCHING COST ASSIGNMENT - 1993 DATA

Study Area	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	Unweighted DEM		Local Switching Cost Assignment				
	% Interstate	DEM Weighting Factor	% Interstate	% State Toll & Access	% Local	Total Interstate & State Toll	Total
1	28.3%	3.0	85.0%	36.3%	36.4%	121.3%	156.7%
2	28.4%	3.0	85.0%	21.2%	60.6%	106.2%	156.6%
3	28.5%	3.0	85.0%	24.6%	46.8%	109.6%	156.5%
4	28.2%	3.0	84.7%	19.0%	52.8%	103.8%	156.5%
5	28.6%	3.0	85.0%	14.7%	66.7%	99.7%	156.4%
6	28.7%	3.0	85.0%	25.0%	46.3%	110.0%	156.3%
7	28.7%	3.0	85.0%	17.9%	63.4%	102.9%	156.3%
8	28.8%	3.0	85.0%	29.1%	42.2%	114.1%	156.2%
9	28.8%	3.0	85.0%	16.5%	64.8%	101.5%	156.2%
10	28.8%	3.0	85.0%	35.8%	35.4%	120.8%	156.2%
11	28.0%	3.0	84.1%	26.2%	45.7%	110.4%	156.1%
12	28.0%	3.0	84.1%	26.5%	45.4%	110.7%	156.1%
13	28.0%	3.0	83.9%	50.2%	21.8%	134.1%	155.9%
14	29.1%	3.0	85.0%	27.8%	43.4%	112.8%	155.9%
15	29.1%	3.0	85.0%	37.8%	33.1%	122.8%	155.9%
16	27.9%	3.0	83.8%	13.0%	69.1%	96.8%	155.9%
17	29.1%	3.0	85.0%	26.0%	44.9%	111.0%	155.9%
18	29.1%	3.0	85.0%	18.9%	51.9%	103.9%	155.9%
19	29.3%	3.0	85.0%	31.5%	39.2%	116.8%	155.7%
20	29.6%	3.0	85.0%	22.4%	48.0%	107.4%	155.4%
21	29.7%	3.0	85.0%	17.1%	53.3%	102.1%	155.3%
22	29.8%	3.0	85.0%	20.3%	49.9%	105.3%	155.2%
23	27.6%	3.0	82.8%	34.8%	37.6%	117.6%	155.2%
24	27.6%	3.0	82.8%	23.8%	48.9%	106.3%	155.2%
25	30.1%	3.0	85.0%	25.5%	44.5%	110.5%	154.9%
26	30.1%	3.0	85.0%	22.8%	47.4%	107.6%	154.9%
27	30.3%	3.0	85.0%	18.3%	51.4%	103.3%	154.7%
28	30.3%	3.0	85.0%	29.4%	40.3%	114.4%	154.7%
29	30.5%	3.0	85.0%	38.3%	31.2%	123.3%	154.5%
30	30.9%	3.0	85.0%	13.1%	56.0%	98.1%	154.1%
31	31.0%	3.0	85.0%	12.8%	56.2%	97.8%	154.0%
32	31.2%	3.0	85.0%	6.6%	62.3%	91.6%	153.8%
33	31.2%	3.0	85.0%	17.3%	51.8%	102.3%	153.8%
34	26.9%	3.0	80.6%	13.2%	59.9%	93.8%	153.7%
35	31.3%	3.0	85.0%	68.7%	0.0%	153.7%	153.7%
36	31.3%	3.0	85.0%	35.2%	33.4%	120.2%	153.7%
37	26.8%	3.0	80.4%	28.2%	45.0%	106.6%	153.6%
38	26.7%	3.0	80.2%	37.8%	35.5%	118.0%	153.5%
39	31.5%	3.0	85.0%	38.6%	29.9%	123.6%	153.5%
40	31.6%	3.0	85.0%	33.2%	35.2%	118.2%	153.4%
41	31.6%	3.0	85.0%	21.7%	46.7%	106.7%	153.4%
42	31.7%	3.0	85.0%	28.6%	39.7%	113.6%	153.3%
43	31.8%	3.0	85.0%	18.7%	49.5%	103.7%	153.2%
44	31.9%	3.0	85.0%	19.1%	48.9%	104.1%	153.1%

ANALYSIS OF LOCAL SWITCHING COST ASSIGNMENT - 1993 DATA

Study Area	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	Unweighted DEM		Local Switching Cost Assignment				
	% Interstate	DEM Weighting Factor	% Interstate	% State Toll & Access	% Local	Total Interstate & State Toll	Total
45	32.0%	3.0	88.0%	20.8%	47.8%	105.8%	153.0%
46	26.3%	3.0	79.0%	12.9%	60.8%	91.9%	152.7%
47	32.4%	3.0	88.0%	38.5%	29.0%	123.5%	152.6%
48	26.3%	3.0	78.8%	23.7%	50.0%	102.5%	152.5%
49	26.2%	3.0	78.7%	9.5%	64.2%	88.2%	152.5%
50	26.2%	3.0	78.5%	44.4%	29.4%	122.9%	152.4%
51	32.7%	3.0	88.0%	25.4%	42.0%	110.4%	152.3%
52	26.2%	3.0	78.5%	29.3%	44.5%	107.8%	152.3%
53	26.0%	3.0	78.1%	30.8%	43.2%	108.9%	152.1%
54	33.0%	3.0	88.0%	21.3%	45.7%	106.3%	152.0%
55	26.0%	3.0	77.9%	27.4%	46.6%	105.3%	151.9%
56	25.9%	3.0	77.8%	40.3%	33.7%	118.1%	151.9%
57	25.9%	3.0	77.8%	27.9%	46.2%	105.7%	151.8%
58	25.9%	3.0	77.7%	8.7%	65.4%	86.5%	151.8%
59	33.3%	3.0	88.0%	22.4%	44.3%	107.4%	151.7%
60	33.4%	3.0	88.0%	26.9%	39.7%	111.9%	151.6%
61	25.7%	3.0	77.2%	50.7%	23.6%	127.9%	151.5%
62	33.5%	3.0	88.0%	18.8%	47.7%	103.8%	151.5%
63	25.7%	3.0	77.1%	28.3%	46.0%	105.5%	151.4%
64	25.6%	3.0	76.8%	22.6%	51.8%	99.4%	151.2%
65	33.9%	3.0	88.0%	11.0%	55.1%	96.0%	151.1%
66	25.5%	3.0	76.6%	23.6%	50.9%	100.2%	151.1%
67	33.9%	3.0	88.0%	32.2%	33.9%	117.2%	151.1%
68	25.5%	3.0	76.5%	48.6%	25.9%	125.1%	151.0%
69	25.5%	3.0	76.5%	27.8%	46.7%	104.3%	151.0%
70	34.1%	3.0	88.0%	29.2%	36.8%	114.2%	150.9%
71	25.4%	3.0	76.3%	22.2%	52.3%	98.5%	150.8%
72	25.4%	3.0	76.1%	29.7%	44.9%	105.9%	150.8%
73	34.3%	3.0	88.0%	16.6%	49.1%	101.6%	150.7%
74	34.4%	3.0	88.0%	19.2%	46.4%	104.2%	150.6%
75	25.2%	3.0	75.7%	34.7%	40.1%	110.3%	150.5%
76	25.2%	3.0	75.7%	22.2%	52.5%	97.9%	150.4%
77	25.2%	3.0	75.6%	38.1%	36.7%	113.7%	150.4%
78	34.6%	3.0	88.0%	24.7%	40.7%	109.7%	150.4%
79	34.8%	3.0	88.0%	27.5%	37.7%	112.5%	150.2%
80	25.1%	3.0	75.2%	26.0%	48.9%	101.2%	150.2%
81	25.0%	3.0	75.0%	32.4%	42.6%	107.4%	150.0%
82	35.2%	3.0	88.0%	23.5%	41.4%	108.5%	149.8%
83	24.9%	3.0	74.7%	41.3%	33.8%	116.1%	149.8%
84	35.3%	3.0	88.0%	30.5%	34.3%	115.5%	149.7%
85	35.3%	3.0	88.0%	35.7%	28.9%	120.7%	149.7%
86	24.7%	3.0	74.2%	34.9%	40.4%	109.1%	149.5%
87	35.6%	3.0	88.0%	31.6%	32.8%	116.6%	149.4%
88	35.6%	3.0	88.0%	28.7%	35.6%	113.7%	149.4%

ANALYSIS OF LOCAL SWITCHING COST ASSIGNMENT - 1993 DATA

Study Area	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	Unweighted DEM		Local Switching Cost Assignment				
	% Interstate	DEM Weighting Factor	% Interstate	% State Toll & Access	% Local	Total Interstate & State Toll	Total
89	35.8%	3.0	85.0%	22.1%	42.1%	107.1%	149.2%
90	24.5%	3.0	73.4%	41.8%	33.7%	115.2%	149.0%
91	24.5%	3.0	73.4%	34.4%	41.2%	107.8%	148.9%
92	24.4%	3.0	73.3%	34.7%	40.9%	107.9%	148.8%
93	32.5%	2.5	81.3%	24.3%	43.2%	105.6%	148.8%
94	24.3%	3.0	72.8%	13.4%	62.4%	86.2%	148.5%
95	24.3%	3.0	72.8%	29.8%	46.0%	102.6%	148.5%
96	24.2%	3.0	72.7%	18.8%	57.0%	91.5%	148.5%
97	24.2%	3.0	72.7%	51.1%	24.7%	123.8%	148.5%
98	24.1%	3.0	72.4%	28.4%	47.5%	100.8%	148.3%
99	24.1%	3.0	72.2%	24.3%	51.6%	96.6%	148.2%
100	24.1%	3.0	72.2%	26.4%	49.5%	98.6%	148.1%
101	36.9%	2.5	85.0%	15.1%	48.0%	100.1%	148.1%
102	23.8%	3.0	71.5%	38.2%	38.0%	109.7%	147.7%
103	23.8%	3.0	71.3%	43.5%	32.7%	114.8%	147.5%
104	23.7%	3.0	71.0%	24.8%	51.6%	95.8%	147.3%
105	38.0%	2.5	85.0%	51.3%	10.7%	136.3%	147.0%
106	23.5%	3.0	70.5%	29.9%	46.6%	100.4%	147.0%
107	23.5%	3.0	70.5%	27.8%	48.7%	98.3%	147.0%
108	38.0%	3.0	85.0%	39.1%	22.9%	124.1%	147.0%
109	23.5%	3.0	70.5%	57.0%	19.5%	127.5%	147.0%
110	23.5%	3.0	70.5%	26.1%	50.4%	96.6%	147.0%
111	23.4%	3.0	70.3%	28.8%	47.8%	99.1%	146.9%
112	23.4%	3.0	70.1%	34.4%	42.2%	104.6%	146.8%
113	23.3%	3.0	70.0%	23.9%	52.7%	94.0%	146.7%
114	23.3%	3.0	70.0%	32.2%	44.5%	102.2%	146.7%
115	23.3%	3.0	69.9%	37.3%	39.4%	107.1%	146.6%
116	38.6%	3.0	85.0%	4.2%	57.1%	89.2%	146.4%
117	23.1%	3.0	69.4%	27.7%	49.1%	97.1%	146.2%
118	39.1%	3.0	85.0%	16.1%	44.8%	101.1%	145.9%
119	22.9%	3.0	68.8%	26.2%	50.8%	95.0%	145.9%
120	22.9%	3.0	68.8%	29.9%	47.2%	98.7%	145.8%
121	39.2%	3.0	85.0%	30.0%	30.8%	115.0%	145.8%
122	39.2%	3.0	85.0%	26.2%	34.6%	111.2%	145.8%
123	22.9%	3.0	68.6%	55.6%	21.5%	124.2%	145.7%
124	30.5%	2.5	76.1%	24.1%	45.4%	100.2%	145.7%
125	22.8%	3.0	68.5%	31.6%	45.6%	100.1%	145.7%
126	22.8%	3.0	68.3%	28.0%	49.2%	96.3%	145.5%
127	22.7%	3.0	68.2%	33.0%	44.2%	101.2%	145.5%
128	22.6%	3.0	67.9%	17.3%	60.1%	85.2%	145.3%
129	22.6%	3.0	67.9%	19.6%	57.8%	87.5%	145.3%
130	39.8%	3.0	85.0%	14.4%	45.8%	99.4%	145.2%
131	39.9%	3.0	85.0%	37.5%	22.6%	122.6%	145.1%
132	22.5%	3.0	67.5%	33.0%	44.5%	100.5%	145.0%

ANALYSIS OF LOCAL SWITCHING COST ASSIGNMENT - 1993 DATA

Study Area	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	Unweighted DEM		Local Switching Cost Assignment				
	% Interstate	DEM Weighting Factor	% Interstate	% State Toll & Access	% Local	Total Interstate & State Toll	Total
133	40.0%	3.0	85.0%	18.6%	41.4%	103.6%	145.0%
134	40.0%	3.0	85.0%	24.9%	35.1%	109.9%	145.0%
135	22.4%	3.0	67.3%	41.7%	35.9%	109.0%	144.9%
136	22.3%	3.0	66.8%	12.9%	64.8%	79.7%	144.5%
137	22.2%	3.0	66.6%	29.7%	48.1%	96.3%	144.4%
138	22.2%	3.0	66.6%	16.8%	61.0%	83.4%	144.4%
139	40.6%	3.0	85.0%	49.7%	9.7%	134.7%	144.4%
140	22.1%	3.0	66.4%	17.8%	60.1%	84.2%	144.3%
141	40.8%	3.0	85.0%	36.5%	22.7%	121.5%	144.2%
142	22.0%	3.0	66.1%	14.6%	63.3%	80.7%	144.1%
143	22.0%	3.0	65.9%	21.2%	56.8%	87.1%	144.0%
144	41.1%	3.0	85.0%	13.7%	45.3%	98.7%	143.9%
145	22.0%	3.0	65.9%	17.9%	60.1%	83.8%	143.9%
146	29.2%	2.5	73.0%	7.3%	63.5%	80.3%	143.8%
147	41.2%	3.0	85.0%	23.9%	34.9%	108.9%	143.8%
148	21.9%	3.0	65.7%	30.2%	47.9%	95.8%	143.8%
149	21.8%	3.0	65.5%	38.0%	40.1%	103.5%	143.7%
150	21.8%	3.0	65.3%	23.8%	54.4%	89.1%	143.5%
151	21.8%	3.0	65.3%	23.8%	54.5%	89.0%	143.5%
152	41.6%	3.0	85.0%	27.2%	31.1%	112.2%	143.4%
153	21.7%	3.0	65.0%	37.2%	41.1%	102.2%	143.4%
154	21.5%	3.0	64.6%	43.0%	35.5%	107.6%	143.1%
155	41.9%	3.0	85.0%	17.3%	40.8%	102.3%	143.1%
156	21.5%	3.0	64.6%	16.1%	62.4%	80.7%	143.1%
157	21.5%	3.0	64.4%	7.1%	71.4%	71.5%	143.0%
158	21.4%	3.0	64.2%	11.2%	67.4%	75.4%	142.8%
159	21.4%	3.0	64.1%	27.1%	51.6%	91.1%	142.7%
160	21.3%	3.0	64.0%	22.9%	55.8%	86.8%	142.6%
161	42.4%	3.0	85.0%	20.6%	37.0%	105.6%	142.6%
162	21.3%	3.0	63.8%	12.0%	66.8%	75.8%	142.6%
163	21.2%	3.0	63.5%	26.5%	52.4%	90.0%	142.3%
164	21.1%	3.0	63.3%	23.5%	55.4%	86.5%	142.2%
165	21.1%	3.0	63.2%	34.2%	44.8%	97.4%	142.1%
166	21.0%	3.0	63.1%	22.3%	56.6%	85.5%	142.1%
167	21.0%	3.0	63.1%	33.9%	45.1%	96.9%	142.0%
168	21.0%	3.0	62.9%	26.0%	53.0%	88.9%	141.9%
169	20.9%	3.0	62.8%	24.2%	54.9%	87.0%	141.9%
170	20.9%	3.0	62.8%	23.7%	55.3%	86.5%	141.9%
171	20.9%	3.0	62.8%	25.8%	53.2%	88.5%	141.8%
172	20.9%	3.0	62.6%	16.5%	62.6%	79.1%	141.7%
173	20.8%	3.0	62.4%	21.7%	57.5%	84.1%	141.6%
174	43.4%	2.0	85.0%	12.3%	44.2%	97.3%	141.6%
175	20.8%	3.0	62.3%	47.7%	31.6%	110.0%	141.6%
176	20.7%	3.0	62.1%	20.4%	58.9%	82.6%	141.4%

ANALYSIS OF LOCAL SWITCHING COST ASSIGNMENT - 1993 DATA

Study Area	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	Unweighted DEM		Local Switching Cost Assignment				
	% Interstate	DEM Weighting Factor	% Interstate	% State Toll & Access	% Local	Total Interstate & State Toll	Total
177	20.7%	3.0	62.1%	23.4%	55.9%	88.5%	141.4%
178	20.7%	3.0	62.1%	33.4%	45.9%	95.5%	141.4%
179	20.6%	3.0	61.9%	17.7%	61.6%	79.6%	141.3%
180	20.6%	3.0	61.9%	36.7%	42.7%	98.5%	141.2%
181	20.6%	3.0	61.7%	25.5%	53.9%	87.2%	141.2%
182	43.9%	3.0	85.0%	20.3%	35.8%	105.3%	141.1%
183	20.8%	3.0	61.6%	24.1%	55.4%	85.7%	141.0%
184	20.4%	3.0	61.3%	23.3%	56.3%	84.6%	140.9%
185	20.3%	3.0	61.0%	26.7%	53.0%	87.7%	140.7%
186	20.3%	3.0	60.9%	34.0%	45.7%	94.9%	140.6%
187	20.3%	3.0	60.9%	22.5%	57.2%	83.4%	140.6%
188	44.5%	3.0	85.0%	29.9%	25.6%	114.9%	140.5%
189	20.2%	3.0	60.7%	29.7%	50.0%	90.4%	140.5%
190	20.2%	3.0	60.6%	33.8%	46.0%	94.4%	140.4%
191	20.2%	3.0	60.5%	29.1%	50.8%	89.5%	140.3%
192	20.1%	3.0	60.4%	6.9%	72.9%	67.4%	140.3%
193	20.1%	3.0	60.4%	24.1%	55.8%	84.5%	140.3%
194	20.1%	3.0	60.3%	26.3%	53.6%	86.6%	140.2%
195	20.1%	3.0	60.2%	26.4%	53.5%	86.7%	140.2%
196	20.1%	3.0	60.2%	23.9%	56.1%	84.0%	140.1%
197	20.0%	3.0	59.9%	42.3%	37.7%	102.2%	140.0%
198	19.9%	3.0	59.7%	19.8%	60.3%	79.6%	139.8%
199	26.4%	2.5	66.0%	8.5%	65.1%	74.4%	139.6%
200	19.8%	3.0	59.3%	38.6%	41.7%	97.9%	139.5%
201	19.6%	3.0	58.7%	22.0%	58.5%	80.7%	139.1%
202	19.5%	3.0	58.6%	49.6%	30.9%	108.2%	139.1%
203	45.9%	3.0	85.0%	19.0%	35.1%	104.0%	139.1%
204	19.5%	3.0	58.4%	27.6%	52.9%	86.0%	138.9%
205	19.4%	3.0	58.2%	28.0%	52.6%	86.2%	138.8%
206	19.4%	3.0	58.2%	12.6%	68.0%	70.7%	138.8%
207	19.4%	3.0	58.1%	16.7%	63.9%	74.9%	138.7%
208	19.3%	3.0	58.0%	51.8%	28.9%	109.8%	138.7%
209	19.3%	3.0	57.8%	30.8%	49.9%	88.7%	138.5%
210	19.2%	3.0	57.7%	18.8%	62.0%	76.5%	138.5%
211	19.2%	3.0	57.5%	36.2%	44.6%	93.7%	138.4%
212	46.7%	3.0	85.0%	8.9%	44.5%	93.9%	138.3%
213	19.1%	3.0	57.4%	37.1%	43.7%	94.5%	138.3%
214	25.4%	2.5	63.5%	9.8%	64.8%	73.3%	138.1%
215	19.0%	3.0	57.1%	42.5%	38.5%	99.6%	138.1%
216	18.9%	3.0	56.7%	40.2%	40.9%	96.9%	137.8%
217	18.9%	3.0	56.7%	24.2%	55.9%	81.0%	137.8%
218	18.8%	3.0	56.5%	13.7%	67.5%	70.2%	137.7%
219	18.8%	3.0	56.5%	40.6%	40.6%	97.1%	137.7%
220	18.8%	3.0	56.5%	19.5%	61.7%	76.0%	137.7%

ANALYSIS OF LOCAL SWITCHING COST ASSIGNMENT - 1993 DATA

Study Area	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	Unweighted DEM		Local Switching Cost Assignment				
	% Interstate	DEM Weighting Factor	% Interstate	% State Toll & Access	% Local	Total Interstate & State Toll	Total
221	18.8%	3.0	86.4%	13.3%	67.9%	69.7%	137.6%
222	18.8%	3.0	86.4%	29.5%	51.7%	85.9%	137.6%
223	18.8%	3.0	86.3%	21.0%	60.2%	77.3%	137.6%
224	18.8%	3.0	86.3%	35.0%	46.2%	91.3%	137.5%
225	25.0%	2.5	62.5%	28.5%	46.5%	91.0%	137.5%
226	18.7%	3.0	86.2%	11.0%	70.3%	67.2%	137.5%
227	18.7%	3.0	86.0%	22.1%	59.2%	78.1%	137.3%
228	18.6%	3.0	85.9%	33.8%	47.6%	89.7%	137.3%
229	18.6%	3.0	85.8%	30.3%	51.1%	86.1%	137.2%
230	18.5%	3.0	85.6%	30.0%	51.5%	85.6%	137.1%
231	18.5%	3.0	85.5%	36.1%	45.3%	91.7%	137.0%
232	18.5%	3.0	85.5%	60.6%	20.9%	116.1%	137.0%
233	18.4%	3.0	85.3%	35.0%	46.6%	90.3%	136.8%
234	18.4%	3.0	85.3%	33.0%	48.6%	88.3%	136.8%
235	18.4%	3.0	85.3%	34.6%	47.0%	89.8%	136.8%
236	18.3%	3.0	85.0%	24.2%	57.4%	79.2%	136.7%
237	18.3%	3.0	85.0%	38.0%	43.7%	93.0%	136.7%
238	18.3%	3.0	84.9%	33.3%	48.4%	88.2%	136.6%
239	18.3%	3.0	84.9%	20.0%	61.7%	74.9%	136.6%
240	18.2%	3.0	84.6%	24.2%	57.6%	78.8%	136.4%
241	18.2%	3.0	84.6%	27.1%	54.7%	81.7%	136.4%
242	18.2%	3.0	84.5%	40.4%	41.4%	94.9%	136.4%
243	18.2%	3.0	84.5%	26.5%	55.3%	81.0%	136.4%
244	18.2%	3.0	84.5%	29.3%	52.6%	83.8%	136.3%
245	24.2%	2.5	60.5%	29.8%	46.0%	90.3%	136.3%
246	18.1%	3.0	84.3%	25.9%	56.0%	80.2%	136.2%
247	18.1%	3.0	84.3%	50.6%	31.4%	104.8%	136.2%
248	18.1%	3.0	84.2%	25.3%	56.6%	79.5%	136.2%
249	18.1%	3.0	84.2%	32.1%	49.8%	86.4%	136.2%
250	17.9%	3.0	83.8%	40.7%	41.3%	94.5%	135.9%
251	17.8%	3.0	83.3%	41.1%	41.1%	94.5%	135.5%
252	17.7%	3.0	83.2%	26.6%	55.7%	79.8%	135.5%
253	23.6%	2.5	59.1%	14.8%	61.6%	73.9%	135.5%
254	17.7%	3.0	83.1%	25.9%	56.4%	79.0%	135.4%
255	17.7%	3.0	83.1%	17.2%	65.1%	70.3%	135.4%
256	17.7%	3.0	83.1%	38.3%	44.0%	91.4%	135.4%
257	17.7%	3.0	83.0%	21.3%	61.0%	74.3%	135.4%
258	35.3%	2.0	70.7%	13.0%	51.6%	83.7%	135.3%
259	17.5%	3.0	82.5%	57.4%	25.1%	109.9%	135.0%
260	17.5%	3.0	82.5%	27.2%	55.3%	79.6%	135.0%
261	17.4%	3.0	82.3%	37.0%	45.5%	89.4%	134.9%
262	17.4%	3.0	82.3%	21.0%	61.5%	73.3%	134.9%
263	17.4%	3.0	82.3%	21.3%	61.3%	73.6%	134.9%
264	17.4%	3.0	82.2%	53.2%	29.4%	105.4%	134.8%

ANALYSIS OF LOCAL SWITCHING COST ASSIGNMENT - 1993 DATA

Study Area	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	Unweighted DEM		Local Switching Cost Assignment				
	% Interstate	DEM Weighting Factor	% Interstate	% State Toll & Access	% Local	Total Interstate & State Toll	Total
265	17.4%	3.0	52.1%	20.7%	62.0%	72.7%	134.7%
266	17.3%	3.0	52.0%	41.0%	41.7%	93.0%	134.7%
267	17.2%	3.0	51.7%	43.3%	39.5%	95.0%	134.5%
268	17.2%	3.0	51.7%	39.0%	43.8%	90.7%	134.5%
269	50.6%	3.0	85.0%	17.9%	31.5%	102.9%	134.4%
270	17.2%	3.0	51.5%	16.0%	66.9%	67.5%	134.4%
271	17.1%	3.0	51.4%	49.3%	33.6%	100.6%	134.2%
272	17.1%	3.0	51.3%	35.4%	47.5%	86.7%	134.2%
273	17.1%	3.0	51.2%	24.5%	58.4%	75.8%	134.1%
274	17.1%	3.0	51.2%	11.9%	71.1%	63.1%	134.1%
275	17.0%	3.0	51.1%	29.1%	53.9%	80.2%	134.1%
276	22.7%	2.5	56.8%	23.4%	53.9%	80.1%	134.1%
277	17.0%	3.0	51.0%	28.8%	54.2%	79.5%	134.0%
278	22.7%	2.5	56.6%	22.0%	55.3%	78.6%	134.0%
279	17.0%	3.0	51.0%	41.6%	41.4%	92.6%	134.0%
280	17.0%	3.0	50.9%	23.2%	59.8%	74.2%	133.9%
281	22.6%	2.5	56.4%	30.4%	47.0%	86.9%	133.9%
282	16.9%	3.0	50.8%	23.3%	59.8%	74.1%	133.9%
283	16.8%	3.0	50.5%	16.5%	66.7%	67.0%	133.7%
284	33.6%	2.0	67.3%	17.3%	49.0%	84.6%	133.6%
285	16.8%	3.0	50.4%	37.1%	46.2%	87.4%	133.6%
286	51.7%	3.0	85.0%	15.9%	32.4%	100.9%	133.3%
287	16.7%	3.0	50.0%	28.2%	55.1%	78.2%	133.3%
288	16.7%	3.0	50.0%	41.7%	41.7%	91.7%	133.3%
289	16.7%	3.0	50.0%	39.8%	43.5%	89.8%	133.3%
290	16.6%	3.0	49.8%	36.8%	46.6%	86.7%	133.2%
291	16.6%	3.0	49.8%	27.1%	56.3%	76.9%	133.2%
292	16.6%	3.0	49.7%	29.3%	54.2%	79.0%	133.2%
293	16.6%	3.0	49.7%	47.5%	35.9%	97.2%	133.1%
294	16.5%	3.0	49.6%	31.6%	51.9%	81.2%	133.1%
295	16.5%	3.0	49.6%	10.0%	73.4%	59.6%	133.0%
296	16.5%	3.0	49.4%	35.0%	48.5%	84.5%	133.0%
297	16.5%	3.0	49.4%	33.1%	50.4%	82.5%	132.9%
298	21.9%	2.5	54.8%	26.2%	51.9%	81.0%	132.9%
299	16.4%	3.0	49.3%	18.1%	65.4%	67.4%	132.9%
300	16.4%	3.0	49.3%	16.7%	66.8%	66.0%	132.9%
301	16.3%	3.0	48.9%	41.6%	42.1%	90.5%	132.6%
302	21.7%	2.5	54.2%	30.3%	48.0%	84.5%	132.5%
303	16.3%	3.0	48.8%	28.3%	55.4%	77.1%	132.5%
304	16.2%	3.0	48.5%	17.8%	66.1%	66.3%	132.3%
305	21.5%	2.5	53.8%	35.1%	43.4%	88.9%	132.3%
306	16.1%	3.0	48.4%	39.0%	44.9%	87.4%	132.3%
307	16.1%	3.0	48.4%	34.2%	49.7%	82.6%	132.2%
308	16.1%	3.0	48.3%	27.0%	56.9%	75.3%	132.2%

ANALYSIS OF LOCAL SWITCHING COST ASSIGNMENT - 1993 DATA

Study Area	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	Unweighted DEM		Local Switching Cost Assignment				
	% Interstate	DEM Weighting Factor	% Interstate	% State Toll & Access	% Local	Total Interstate & State Toll	Total
309	16.1%	3.0	48.3%	18.4%	65.5%	66.7%	132.2%
310	16.1%	3.0	48.2%	19.2%	64.8%	67.4%	132.2%
311	21.4%	2.5	53.5%	6.7%	71.9%	60.2%	132.1%
312	52.9%	3.0	85.0%	15.5%	31.6%	100.5%	132.1%
313	16.0%	3.0	48.1%	28.9%	55.1%	76.9%	132.0%
314	16.0%	3.0	48.1%	23.1%	60.9%	71.1%	132.0%
315	21.3%	2.5	53.2%	21.5%	57.2%	74.7%	131.9%
316	15.9%	3.0	47.8%	39.3%	44.8%	87.1%	131.9%
317	15.9%	3.0	47.8%	10.1%	74.0%	67.9%	131.8%
318	15.9%	3.0	47.7%	18.8%	65.3%	66.5%	131.8%
319	15.9%	3.0	47.7%	51.5%	32.6%	99.3%	131.8%
320	15.9%	3.0	47.7%	27.2%	56.9%	74.8%	131.8%
321	15.8%	3.0	47.3%	32.0%	52.2%	79.3%	131.5%
322	15.7%	3.0	47.1%	16.4%	67.9%	63.5%	131.4%
323	15.7%	3.0	47.1%	23.6%	60.7%	70.7%	131.4%
324	15.7%	3.0	47.0%	26.4%	57.9%	73.4%	131.3%
325	15.6%	3.0	46.9%	44.1%	40.2%	91.0%	131.3%
326	15.6%	3.0	46.9%	17.7%	66.6%	64.6%	131.2%
327	15.6%	3.0	46.7%	23.5%	61.0%	70.2%	131.1%
328	15.5%	3.0	46.6%	11.9%	72.5%	58.6%	131.1%
329	54.0%	3.0	85.0%	31.4%	14.6%	116.4%	131.0%
330	15.5%	3.0	46.4%	7.5%	77.0%	53.9%	131.0%
331	15.5%	3.0	46.4%	23.0%	61.5%	69.4%	131.0%
332	20.6%	2.5	51.5%	27.3%	52.1%	78.8%	130.9%
333	20.5%	2.5	51.3%	19.2%	60.2%	70.6%	130.8%
334	15.3%	3.0	46.0%	31.5%	53.2%	77.5%	130.7%
335	15.3%	3.0	45.9%	43.9%	40.8%	89.8%	130.6%
336	15.3%	3.0	45.9%	19.5%	65.2%	65.4%	130.6%
337	20.3%	2.5	50.9%	11.7%	67.9%	62.6%	130.5%
338	15.2%	3.0	45.7%	37.6%	47.2%	83.3%	130.5%
339	15.2%	3.0	45.6%	18.3%	66.5%	63.9%	130.4%
340	15.2%	3.0	45.6%	31.1%	53.7%	76.7%	130.4%
341	15.1%	3.0	45.4%	31.6%	53.2%	77.1%	130.3%
342	15.1%	3.0	45.4%	27.9%	57.0%	73.3%	130.3%
343	15.1%	3.0	45.4%	17.4%	67.5%	62.7%	130.3%
344	15.1%	3.0	45.4%	27.6%	57.2%	73.0%	130.3%
345	15.1%	3.0	45.3%	15.3%	69.6%	60.6%	130.2%
346	15.1%	3.0	45.3%	20.0%	64.9%	65.3%	130.2%
347	15.1%	3.0	45.3%	28.9%	56.0%	74.2%	130.2%
348	20.1%	2.5	50.3%	36.8%	43.1%	87.0%	130.2%
349	15.0%	3.0	45.1%	26.1%	58.9%	71.2%	130.1%
350	20.1%	2.5	50.2%	18.5%	61.4%	68.7%	130.1%
351	15.0%	3.0	45.1%	35.0%	50.0%	80.1%	130.1%
352	15.0%	3.0	45.1%	39.3%	45.7%	84.3%	130.0%

ANALYSIS OF LOCAL SWITCHING COST ASSIGNMENT - 1993 DATA

Study Area	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	Unweighted DEM		Local Switching Cost Assignment				
	% Interstate	DEM Weighting Factor	% Interstate	% State Toll & Access	% Local	Total Interstate & State Toll	Total
353	15.0%	3.0	45.0%	39.2%	45.8%	84.2%	130.0%
354	15.0%	3.0	45.0%	55.6%	29.4%	100.6%	130.0%
355	15.0%	3.0	44.9%	24.7%	60.4%	69.5%	129.9%
356	14.9%	3.0	44.8%	65.9%	19.1%	110.8%	129.9%
357	14.9%	3.0	44.6%	49.6%	35.5%	94.3%	129.7%
358	14.8%	3.0	44.5%	16.4%	68.8%	60.9%	129.7%
359	14.8%	3.0	44.5%	38.4%	46.8%	82.9%	129.7%
360	14.8%	3.0	44.4%	49.7%	35.5%	94.1%	129.6%
361	14.8%	3.0	44.4%	18.9%	66.3%	63.3%	129.6%
362	14.8%	3.0	44.3%	39.7%	45.5%	84.0%	129.5%
363	14.8%	3.0	44.3%	41.2%	44.1%	85.4%	129.5%
364	14.7%	3.0	44.2%	32.9%	52.4%	77.1%	129.5%
365	14.7%	3.0	44.2%	20.2%	65.0%	64.4%	129.4%
366	14.7%	3.0	44.1%	39.9%	45.4%	84.0%	129.4%
367	14.6%	3.0	43.9%	39.4%	46.0%	83.3%	129.2%
368	14.6%	3.0	43.8%	36.2%	49.2%	80.1%	129.2%
369	14.6%	3.0	43.7%	11.8%	73.7%	55.4%	129.1%
370	14.5%	3.0	43.6%	22.2%	63.2%	65.9%	129.1%
371	14.5%	3.0	43.6%	30.8%	54.7%	74.4%	129.0%
372	14.5%	3.0	43.4%	39.6%	45.9%	83.1%	129.0%
373	14.5%	3.0	43.4%	36.3%	49.2%	79.7%	128.9%
374	19.3%	2.5	48.2%	25.8%	55.0%	73.9%	128.9%
375	19.3%	2.5	48.1%	23.7%	57.1%	71.8%	128.9%
376	14.3%	3.0	43.0%	22.6%	63.0%	65.7%	128.7%
377	14.3%	3.0	42.9%	14.2%	71.5%	57.2%	128.6%
378	14.3%	3.0	42.9%	39.0%	46.7%	81.9%	128.6%
379	14.3%	3.0	42.9%	42.6%	43.1%	85.5%	128.6%
380	56.4%	3.0	85.0%	14.7%	28.9%	99.7%	128.6%
381	18.9%	2.5	47.4%	24.7%	56.4%	72.0%	128.4%
382	14.1%	3.0	42.3%	12.4%	73.5%	54.7%	128.2%
383	14.0%	3.0	42.1%	9.9%	76.1%	52.0%	128.1%
384	14.0%	3.0	42.1%	18.0%	67.9%	60.1%	128.1%
385	14.0%	3.0	42.0%	51.5%	34.5%	93.5%	128.0%
386	14.0%	3.0	42.0%	10.8%	75.2%	52.8%	128.0%
387	13.9%	3.0	41.6%	18.2%	67.9%	59.9%	127.8%
388	18.5%	2.5	46.3%	30.3%	51.2%	76.6%	127.8%
389	13.9%	3.0	41.6%	26.6%	59.5%	68.2%	127.7%
390	13.8%	3.0	41.5%	35.4%	50.8%	76.9%	127.7%
391	13.8%	3.0	41.5%	8.8%	77.3%	50.3%	127.7%
392	18.4%	2.5	46.1%	8.8%	72.8%	54.9%	127.7%
393	13.8%	3.0	41.3%	25.3%	61.0%	66.6%	127.6%
394	13.7%	3.0	41.0%	36.3%	50.0%	77.4%	127.4%
395	18.2%	2.5	45.8%	18.7%	63.1%	64.3%	127.4%
396	13.7%	3.0	41.0%	41.2%	45.2%	82.1%	127.3%

ANALYSIS OF LOCAL SWITCHING COST ASSIGNMENT - 1993 DATA

Study Area	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	Unweighted DEM		Local Switching Cost Assignment				
	% Interstate	DEM Weighting Factor	% Interstate	% State Toll & Access	% Local	Total Interstate & State Toll	Total
397	13.6%	3.0	40.9%	18.6%	67.8%	89.5%	127.3%
398	13.6%	3.0	40.9%	19.2%	67.2%	60.1%	127.2%
399	13.6%	3.0	40.9%	35.5%	50.9%	76.4%	127.2%
400	13.6%	3.0	40.5%	13.4%	73.1%	53.9%	127.0%
401	58.0%	3.0	85.0%	21.3%	20.7%	106.3%	127.0%
402	13.6%	3.0	40.4%	9.6%	76.9%	50.0%	126.9%
403	13.4%	3.0	40.1%	28.9%	57.8%	69.0%	126.7%
404	13.3%	3.0	40.0%	28.0%	58.7%	68.0%	126.7%
405	13.3%	3.0	40.0%	33.3%	53.3%	73.3%	126.7%
406	13.3%	3.0	40.0%	21.8%	64.9%	61.8%	126.7%
407	13.3%	3.0	39.9%	21.8%	64.9%	61.7%	126.6%
408	13.3%	3.0	39.8%	25.2%	61.5%	65.0%	126.5%
409	13.2%	3.0	39.7%	39.2%	47.6%	78.9%	126.5%
410	13.2%	3.0	39.7%	23.1%	63.7%	62.7%	126.4%
411	13.2%	3.0	39.6%	30.1%	56.7%	69.6%	126.4%
412	13.2%	3.0	39.6%	30.0%	56.9%	69.4%	126.3%
413	13.1%	3.0	39.4%	36.7%	50.1%	76.1%	126.3%
414	13.1%	3.0	39.2%	49.0%	38.0%	88.2%	126.2%
415	17.4%	2.5	43.6%	22.8%	59.8%	66.4%	126.1%
416	13.1%	3.0	39.2%	40.5%	46.4%	79.7%	126.1%
417	13.0%	3.0	39.1%	28.5%	58.5%	67.6%	126.1%
418	13.0%	3.0	39.1%	27.1%	59.8%	66.2%	126.1%
419	13.0%	3.0	39.1%	21.3%	65.6%	60.4%	126.1%
420	13.0%	3.0	39.0%	26.1%	60.9%	65.2%	126.0%
421	13.0%	3.0	39.0%	19.5%	67.5%	58.5%	126.0%
422	13.0%	3.0	38.9%	29.2%	57.9%	68.1%	125.9%
423	12.9%	3.0	38.6%	35.3%	51.8%	74.0%	125.7%
424	12.7%	3.0	38.1%	42.2%	45.1%	80.4%	125.4%
425	12.7%	3.0	38.1%	16.1%	71.2%	54.2%	125.4%
426	12.7%	3.0	38.0%	24.2%	63.1%	62.3%	125.4%
427	12.7%	3.0	38.0%	43.3%	44.0%	81.3%	125.3%
428	12.6%	3.0	37.6%	28.3%	59.1%	66.1%	125.2%
429	12.6%	3.0	37.6%	39.3%	48.1%	77.1%	125.2%
430	12.5%	3.0	37.6%	30.7%	56.7%	68.4%	125.1%
431	12.5%	3.0	37.6%	12.6%	74.9%	50.2%	125.1%
432	12.5%	3.0	37.5%	24.5%	63.0%	62.0%	125.0%
433	16.7%	2.5	41.7%	28.4%	54.9%	70.1%	125.0%
434	12.4%	3.0	37.3%	19.0%	68.6%	56.3%	124.8%
435	12.4%	3.0	37.1%	54.0%	33.6%	91.1%	124.7%
436	12.4%	3.0	37.1%	22.3%	65.4%	59.3%	124.7%
437	16.5%	2.5	41.2%	22.8%	60.8%	63.9%	124.7%
438	16.5%	2.5	41.1%	11.9%	71.7%	63.0%	124.7%
439	12.3%	3.0	37.0%	12.9%	74.8%	49.8%	124.6%
440	60.4%	3.0	85.0%	16.5%	23.1%	101.5%	124.6%

ANALYSIS OF LOCAL SWITCHING COST ASSIGNMENT - 1993 DATA

Study Area	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	Unweighted DEM		Local Switching Cost Assignment				
	% Interstate	DEM Weighting Factor	% Interstate	% State Toll & Access	% Local	Total Interstate & State Toll	Total
441	16.4%	2.5	40.9%	31.2%	52.5%	72.1%	124.5%
442	24.3%	2.0	48.5%	27.8%	48.0%	76.3%	124.3%
443	12.1%	3.0	36.2%	21.4%	66.5%	57.6%	124.1%
444	12.0%	3.0	36.1%	31.9%	56.1%	67.9%	124.0%
445	12.0%	3.0	36.0%	25.5%	62.5%	61.5%	124.0%
446	12.0%	3.0	36.0%	20.4%	67.6%	56.4%	124.0%
447	12.0%	3.0	36.0%	35.3%	52.7%	71.3%	124.0%
448	15.9%	2.5	39.7%	38.5%	45.6%	78.2%	123.8%
449	11.9%	3.0	35.7%	44.6%	43.5%	80.3%	123.8%
450	11.9%	3.0	35.6%	34.2%	53.9%	69.5%	123.8%
451	11.9%	3.0	35.6%	25.2%	62.9%	60.9%	123.8%
452	11.9%	3.0	35.6%	51.6%	36.5%	87.2%	123.7%
453	11.9%	3.0	35.6%	16.7%	71.4%	52.3%	123.7%
454	11.8%	3.0	35.5%	34.2%	53.9%	69.7%	123.7%
455	11.7%	3.0	35.2%	31.2%	57.1%	66.4%	123.5%
456	23.4%	2.0	46.9%	11.0%	65.6%	57.5%	123.4%
457	11.7%	3.0	35.1%	40.0%	48.3%	75.1%	123.4%
458	15.6%	2.5	39.0%	21.8%	62.7%	60.7%	123.4%
459	11.6%	3.0	34.9%	28.6%	59.8%	63.5%	123.3%
460	15.5%	2.5	38.6%	26.4%	58.1%	65.1%	123.2%
461	15.4%	2.5	38.6%	22.2%	62.4%	60.5%	123.1%
462	11.6%	3.0	34.7%	27.6%	60.5%	62.3%	123.1%
463	11.6%	3.0	34.7%	32.0%	56.5%	66.7%	123.1%
464	11.6%	3.0	34.7%	16.6%	71.5%	51.3%	123.1%
465	23.0%	2.0	46.1%	6.8%	70.2%	52.9%	123.0%
466	11.4%	3.0	34.3%	35.2%	53.3%	69.5%	122.8%
467	15.1%	2.5	37.9%	11.6%	73.3%	49.5%	122.7%
468	11.4%	3.0	34.1%	15.5%	73.2%	49.5%	122.7%
469	15.1%	2.5	37.8%	30.2%	54.5%	68.0%	122.7%
470	11.3%	3.0	34.0%	32.3%	56.4%	66.3%	122.7%
471	15.1%	2.5	37.7%	16.3%	68.6%	54.0%	122.6%
472	14.9%	2.5	37.2%	16.2%	68.9%	53.4%	122.3%
473	11.1%	3.0	33.4%	19.4%	69.5%	52.7%	122.2%
474	11.0%	3.0	33.1%	17.7%	71.3%	50.8%	122.1%
475	11.0%	3.0	32.9%	38.5%	50.5%	71.4%	121.9%
476	11.0%	3.0	32.9%	23.8%	65.3%	56.5%	121.9%
477	10.9%	3.0	32.8%	24.8%	64.3%	57.6%	121.9%
478	21.8%	2.0	43.7%	15.7%	62.5%	59.3%	121.8%
479	10.8%	3.0	32.3%	31.0%	58.2%	63.3%	121.6%
480	10.8%	3.0	32.3%	35.5%	53.8%	67.8%	121.6%
481	10.7%	3.0	32.2%	35.3%	53.9%	67.6%	121.5%
482	10.7%	3.0	32.2%	4.6%	84.5%	36.5%	121.5%
483	21.4%	2.0	42.8%	15.4%	63.2%	58.2%	121.4%
484	10.7%	3.0	32.0%	57.1%	32.2%	59.2%	121.4%

ANALYSIS OF LOCAL SWITCHING COST ASSIGNMENT - 1993 DATA

Study Area	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	Unweighted DEM		Local Switching Cost Assignment				
	% Interstate	DEM Weighting Factor	% Interstate	% State Toll & Access	% Local	Total Interstate & State Toll	Total
485	10.7%	3.0	32.0%	20.2%	69.1%	52.2%	121.3%
486	21.3%	2.0	42.6%	24.0%	54.7%	66.6%	121.3%
487	14.1%	2.5	35.3%	29.4%	56.5%	64.6%	121.2%
488	10.6%	3.0	31.7%	11.3%	78.1%	43.0%	121.1%
489	10.5%	3.0	31.6%	17.3%	72.1%	49.0%	121.1%
490	14.0%	2.5	34.9%	12.0%	74.0%	46.9%	120.9%
491	10.5%	3.0	31.4%	40.6%	49.0%	71.9%	120.9%
492	13.9%	2.5	34.8%	17.3%	68.8%	52.1%	120.9%
493	10.4%	3.0	31.3%	15.0%	74.5%	46.4%	120.9%
494	20.8%	2.0	41.6%	12.9%	66.3%	54.5%	120.8%
495	10.4%	3.0	31.1%	21.7%	67.9%	52.8%	120.7%
496	10.3%	3.0	31.0%	33.7%	55.9%	64.8%	120.7%
497	10.3%	3.0	30.8%	21.6%	68.2%	52.4%	120.5%
498	10.2%	3.0	30.7%	43.5%	46.3%	74.2%	120.5%
499	10.1%	3.0	30.2%	6.9%	83.0%	37.1%	120.1%
500	13.4%	2.5	33.5%	13.5%	73.1%	47.0%	120.1%
501	10.0%	3.0	30.0%	16.6%	73.4%	46.6%	120.0%
502	9.9%	3.0	29.8%	72.6%	17.4%	102.5%	119.9%
503	19.8%	2.0	39.6%	10.8%	69.4%	50.3%	119.8%
504	9.8%	3.0	29.4%	20.8%	69.4%	50.2%	119.6%
505	9.8%	3.0	29.4%	41.9%	48.3%	71.2%	119.6%
506	13.0%	2.5	32.6%	23.1%	63.9%	55.7%	119.6%
507	9.8%	3.0	29.3%	22.2%	68.0%	51.5%	119.5%
508	9.7%	3.0	29.1%	24.9%	65.4%	54.0%	119.4%
509	9.7%	3.0	29.0%	38.4%	51.9%	67.4%	119.4%
510	9.7%	3.0	29.0%	33.9%	56.5%	62.9%	119.4%
511	9.7%	3.0	29.0%	27.8%	62.6%	56.8%	119.3%
512	12.9%	2.5	32.2%	7.7%	79.5%	39.8%	119.3%
513	9.6%	3.0	28.9%	20.2%	70.2%	49.1%	119.2%
514	9.6%	3.0	28.8%	30.8%	59.6%	59.6%	119.2%
515	9.6%	3.0	28.7%	42.9%	47.5%	71.6%	119.2%
516	19.1%	2.0	38.2%	22.3%	58.6%	60.6%	119.1%
517	9.6%	3.0	28.7%	35.9%	54.5%	64.6%	119.1%
518	9.6%	3.0	28.6%	30.1%	60.3%	58.8%	119.1%
519	19.0%	2.0	38.0%	16.9%	64.1%	54.9%	119.0%
520	19.0%	2.0	37.9%	24.4%	56.6%	62.3%	119.0%
521	12.6%	2.5	31.6%	18.3%	69.1%	49.9%	119.0%
522	9.4%	3.0	28.3%	21.2%	69.4%	49.5%	118.9%
523	9.4%	3.0	28.2%	37.6%	53.0%	65.8%	118.8%
524	18.7%	2.0	37.3%	8.2%	73.2%	45.5%	118.7%
525	18.6%	2.0	37.3%	19.0%	62.3%	56.3%	118.6%
526	9.3%	3.0	27.9%	10.1%	80.6%	38.1%	118.6%
527	9.3%	3.0	27.8%	18.8%	71.9%	46.6%	118.6%
528	9.2%	3.0	27.7%	26.0%	64.7%	53.8%	118.5%

ANALYSIS OF LOCAL SWITCHING COST ASSIGNMENT - 1993 DATA

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	Unweighted DEM		Local Switching Cost Assignment				
Study Area	% Interstate	DEM Weighting Factor	% Interstate	% State Toll & Access	% Local	Total Interstate & State Toll	Total
529	18.4%	2.0	36.8%	26.5%	55.0%	63.4%	118.4%
530	9.2%	3.0	27.6%	17.5%	73.3%	45.1%	118.4%
531	18.2%	2.0	36.4%	11.2%	70.6%	47.6%	118.2%
532	9.1%	3.0	27.2%	25.2%	65.7%	52.4%	118.1%
533	13.9%	2.3	31.9%	19.2%	67.0%	51.1%	118.0%
534	12.0%	2.5	30.0%	33.3%	54.7%	63.3%	118.0%
535	11.9%	2.5	29.8%	31.7%	56.4%	61.5%	117.9%
536	11.8%	2.5	29.6%	34.1%	54.0%	63.7%	117.8%
537	8.9%	3.0	26.6%	20.0%	71.2%	46.6%	117.8%
538	8.9%	3.0	26.6%	16.0%	75.2%	42.6%	117.7%
539	11.8%	2.5	29.6%	24.0%	64.2%	53.5%	117.7%
540	17.7%	2.0	35.3%	26.4%	55.9%	61.8%	117.7%
541	17.6%	2.0	35.3%	9.2%	73.2%	44.5%	117.6%
542	8.7%	3.0	26.0%	35.7%	55.6%	61.8%	117.4%
543	8.7%	3.0	26.0%	15.8%	75.6%	41.8%	117.3%
544	8.7%	3.0	26.0%	24.7%	66.6%	50.7%	117.3%
545	11.5%	2.5	28.8%	10.7%	77.8%	39.4%	117.3%
546	8.5%	3.0	25.6%	26.3%	65.1%	51.9%	117.0%
547	8.5%	3.0	25.6%	38.7%	52.8%	64.2%	117.0%
548	8.2%	3.0	24.5%	20.9%	70.9%	45.4%	116.3%
549	16.3%	2.0	32.5%	20.4%	63.3%	52.9%	116.3%
550	8.0%	3.0	24.0%	31.3%	60.7%	55.3%	116.0%
551	15.9%	2.0	31.8%	16.9%	67.2%	48.7%	115.9%
552	7.9%	3.0	23.8%	18.1%	73.9%	41.9%	115.9%
553	15.9%	2.0	31.8%	26.5%	57.7%	58.2%	115.9%
554	7.8%	3.0	23.5%	14.9%	77.2%	38.4%	115.7%
555	7.7%	3.0	23.2%	21.6%	70.7%	44.8%	115.5%
556	7.7%	3.0	23.1%	20.8%	71.5%	44.0%	115.4%
557	15.3%	2.0	30.6%	23.5%	61.3%	54.0%	115.3%
558	10.2%	2.5	25.4%	8.8%	81.0%	34.3%	115.3%
559	15.2%	2.0	30.3%	38.7%	46.2%	69.0%	115.2%
560	7.5%	3.0	22.6%	36.0%	56.4%	58.7%	115.1%
561	10.0%	2.5	25.1%	23.3%	66.7%	48.4%	115.1%
562	15.0%	2.0	29.9%	27.0%	58.1%	56.9%	115.0%
563	14.8%	2.0	29.6%	3.0%	82.2%	32.6%	114.8%
564	14.6%	2.0	29.2%	22.5%	62.9%	51.8%	114.6%
565	14.6%	2.0	29.2%	22.5%	62.9%	51.8%	114.6%
566	14.4%	2.0	28.8%	11.8%	73.7%	40.7%	114.4%
567	14.2%	2.0	28.3%	28.8%	57.0%	57.1%	114.2%
568	9.4%	2.5	23.4%	5.4%	85.2%	28.8%	114.0%
569	13.9%	2.0	27.8%	28.2%	57.9%	56.1%	113.9%
570	6.9%	3.0	20.8%	32.5%	60.6%	53.3%	113.8%
571	13.7%	2.0	27.5%	31.8%	54.4%	59.3%	113.7%
572	13.7%	2.0	27.3%	9.8%	76.5%	37.2%	113.7%

ANALYSIS OF LOCAL SWITCHING COST ASSIGNMENT - 1993 DATA

Study Area	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	Unweighted DEM		Local Switching Cost Assignment				
	% Interstate	DEM Weighting Factor	% Interstate	% State Toll & Access	% Local	Total Interstate & State Toll	Total
573	6.8%	3.0	20.4%	10.5%	82.7%	30.9%	113.6%
574	13.6%	2.0	27.2%	26.7%	59.7%	53.9%	113.6%
575	13.4%	2.0	26.8%	14.5%	72.1%	41.2%	113.4%
576	13.0%	2.0	25.9%	45.1%	41.9%	71.0%	113.0%
577	12.8%	2.0	25.7%	10.3%	76.9%	36.0%	112.8%
578	6.4%	3.0	19.2%	12.4%	81.2%	31.6%	112.8%
579	12.8%	2.0	25.6%	23.7%	63.5%	49.3%	112.8%
580	12.8%	2.0	25.5%	10.3%	76.9%	35.8%	112.8%
581	12.5%	2.0	25.0%	9.0%	78.5%	34.1%	112.5%
582	12.4%	2.0	24.7%	8.6%	79.0%	33.3%	112.4%
583	12.3%	2.0	24.7%	24.1%	63.5%	48.8%	112.3%
584	12.3%	2.0	24.5%	14.8%	72.9%	39.3%	112.3%
585	6.1%	3.0	18.3%	20.5%	73.4%	38.8%	112.2%
586	8.1%	2.5	20.3%	10.8%	81.1%	31.1%	112.2%
587	12.1%	2.0	24.2%	11.4%	76.5%	35.7%	112.1%
588	8.0%	2.5	20.1%	11.3%	80.7%	31.3%	112.1%
589	11.6%	2.0	23.3%	13.4%	74.9%	36.7%	111.6%
590	11.4%	2.0	22.7%	26.8%	61.9%	49.5%	111.4%
591	11.3%	2.0	22.5%	11.4%	77.4%	33.9%	111.3%
592	10.9%	2.0	21.7%	13.3%	75.8%	35.1%	110.9%
593	10.1%	2.0	20.1%	11.4%	78.5%	31.5%	110.1%
594	4.9%	3.0	14.7%	9.0%	86.1%	23.7%	109.8%
595	9.6%	2.0	19.2%	29.8%	60.6%	49.0%	109.6%
596	8.2%	2.0	16.4%	14.2%	77.6%	30.8%	108.2%
597	84.0%	3.0	85.0%	16.0%	0.0%	101.0%	101.0%

Source: Column A: FCC Data Request ("DATAREQ") File 1 of 4, Line 486/Line 487
Column B: FCC Data Request ("DATAREQ") File 1 of 4, Line 480
Column C: Column A x Column B
Column D: FCC Data Request ("DATAREQ") File 1 of 4, Line 485/Line 487
Column E: FCC Data Request ("DATAREQ") File 1 of 4, Line 484/Line 487
Column F: Column C + Column D
Column G: Column C + Column D + Column E

**Analysis of Study Areas receiving DEM Weighting
Subsidies in excess of COE Switching Costs
1993 Data**

<u>Study Area Size</u>	<u>Excess Subsidy</u>	<u>No Excess Subsidy</u>	<u>% Of total</u>
Under 10,000 Lines	264	193	57.8%
10,000 Lines - 20,000 Lines	25	29	46.3%
20,000 Lines - 50,000 Lines	7	42	14.3%
Total	296	264	52.9%